

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 November 2005 (10.11.2005)

PCT

(10) International Publication Number
WO 2005/105435 A1

(51) International Patent Classification⁷: **B32B 27/02**

(21) International Application Number:
PCT/KR2005/001250

(22) International Filing Date: 29 April 2005 (29.04.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2004-0030641 30 April 2004 (30.04.2004) KR

(71) Applicant (for all designated States except US):
SAMBARK CO., LTD. [KR/KR]; Sinhang-ri 57-3,
Dunpo-myeon, Asan-si, Chungcheongnam-do 336-873
(KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **YOUN, Sang
Jun** [KR/KR]; #2-1104 Moran Apt., Ssangyong-dong

653, Cheonan-si, Chungcheongnam-do 330-090 (KR).
JEONG, Ho Gab [KR/KR]; #3-1003 Moran Apt., Ssangyong-dong 653, Cheonan-si, Chungcheongnam-do 330-090 (KR).

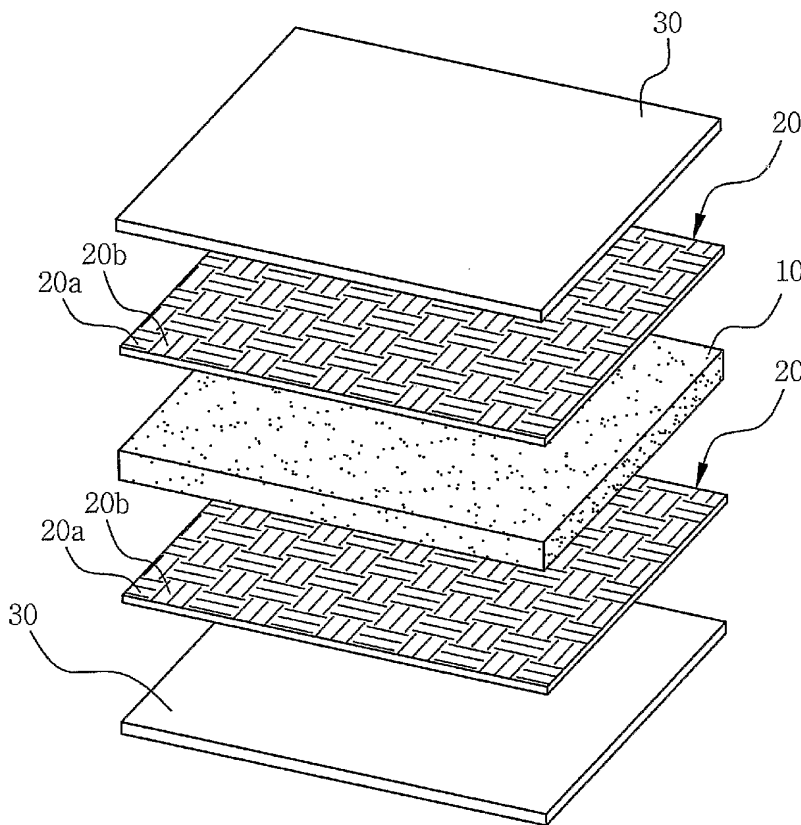
(74) Agent: **SON, Min**; 19th Floor, City Air Tower, 159-9 Samseong-dong, Gangnam-gu, Seoul 135-973 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: THERMOPLASTIC COMPOUND PLATE-SHAPED MATERIAL, METHOD FOR MANUFACTURING AND ARTICLES MANUFACTURED USING THE SAME



(57) Abstract: The present invention relates to a recyclable thermoplastic composite sheet which is excellent in not only mechanical properties, such as bending strength, bending elastic modulus, impact strength and linear thermal expansion coefficient, but also secondary processability, and suitable for molding into various structures, such as panels for use as building materials, and automobile parts, as well as a manufacturing method thereof and an article manufactured therefrom. The thermoplastic composite sheet comprises: a center layer of a thermoplastic composite material comprising 40% by weight of reinforcing fibers with an average length of 1-30mm and 60% by weight of a thermoplastic resin containing an organic filler; and a continuous reinforcing fiber-impregnated prepreg layer laminated on at least one surface of the upper surface and lower surface of the center layer, the prepreg layer comprising 5-65% by weight of reinforcing fibers and 35-95% by weight of a thermoplastic resin containing a very small amount of an inorganic filler.



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

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